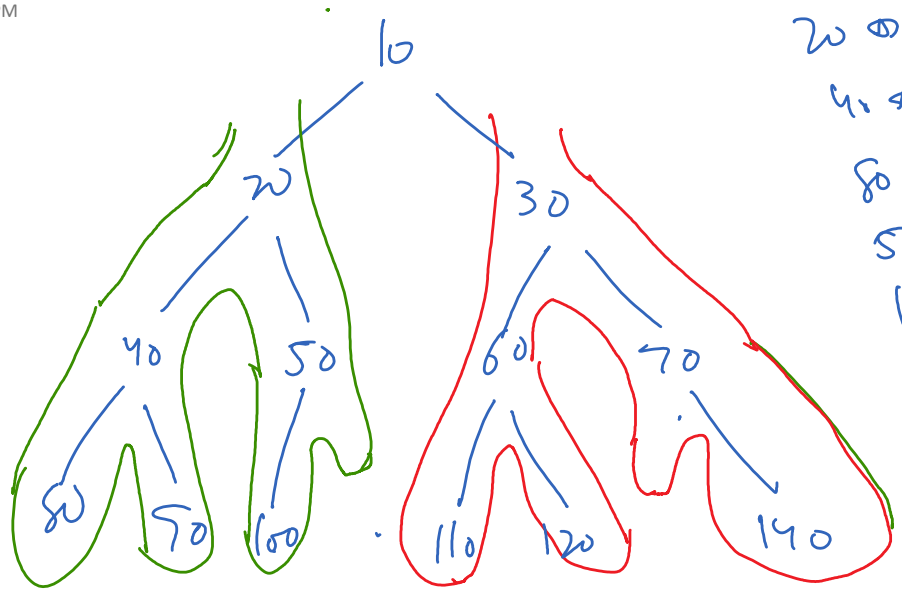
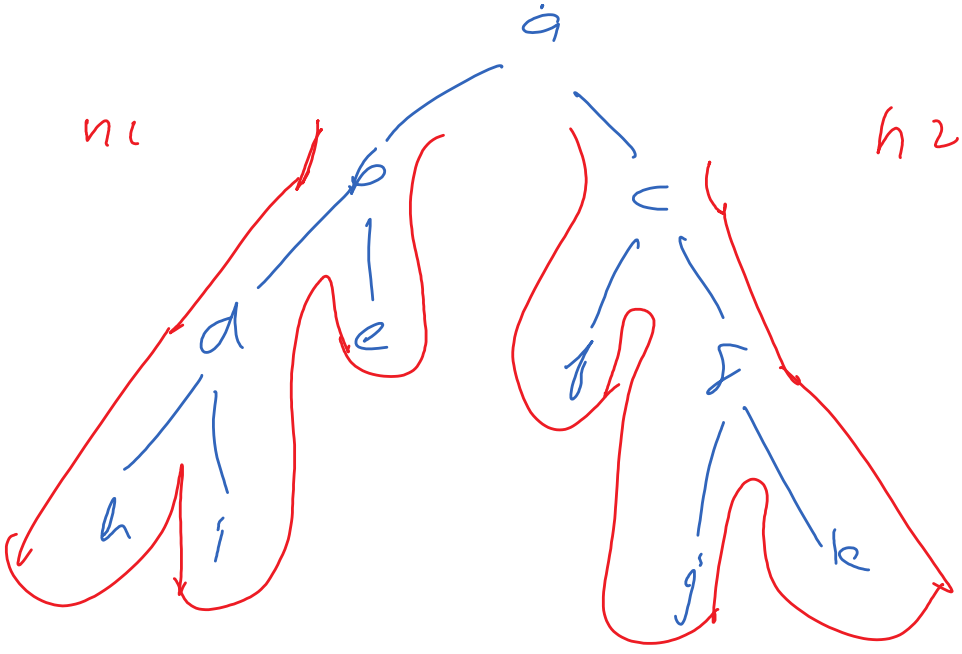
Thursday, May 26, 2022 10:03 PM

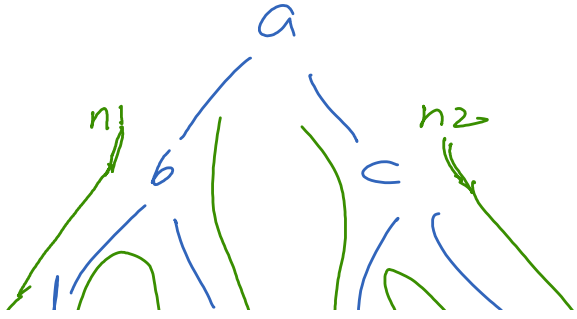



10 ⊙ 10
20 ⊙ 30
40 ⊙ 70
80 ⊙ 140
50 ⊙ 60
100 ⊙ 120

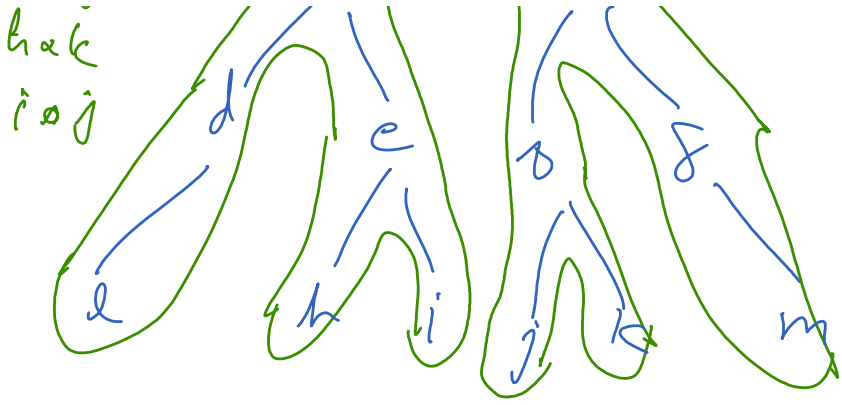


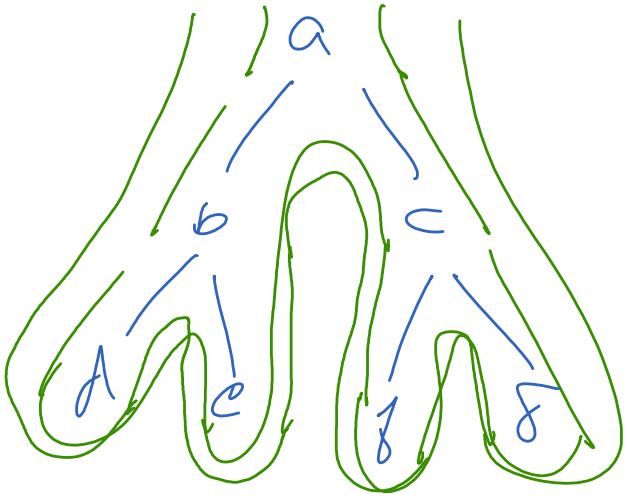

```
public void helper(Node n1, Node n2){
    if(n1 == null || n2 == null){
        return;
    }

    ans = (ans + n1.data * n2.data) % MOD;

    helper(n1.left, n2.right);
    helper(n1.right, n2.left);
}
```

b ⊙ c
d ⊙ g
l ⊙ m
e ⊙ f
h ⊙ k

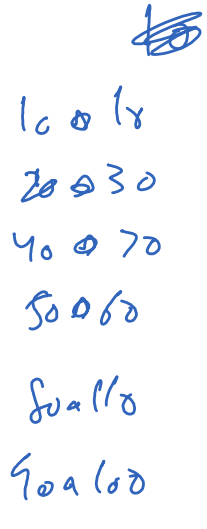


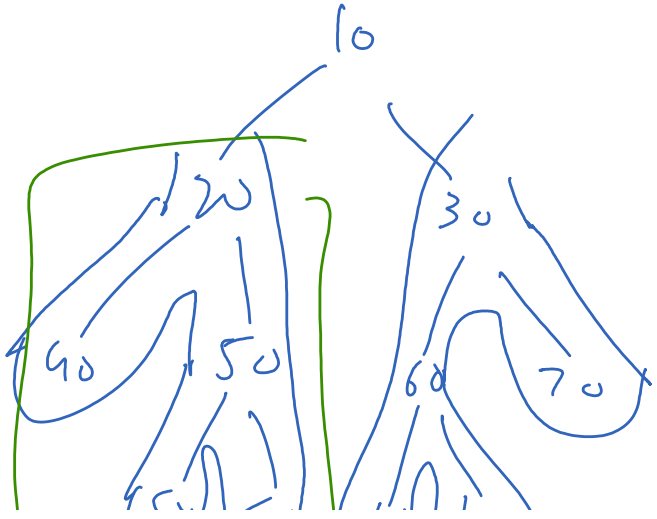
```
        helper(n1.right, n2.left);
    }
```



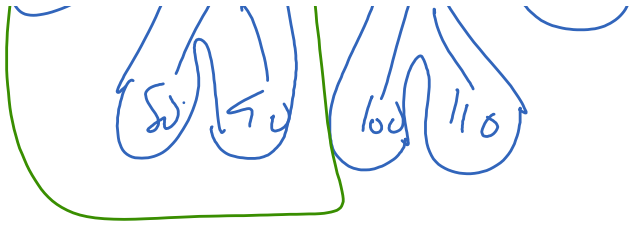


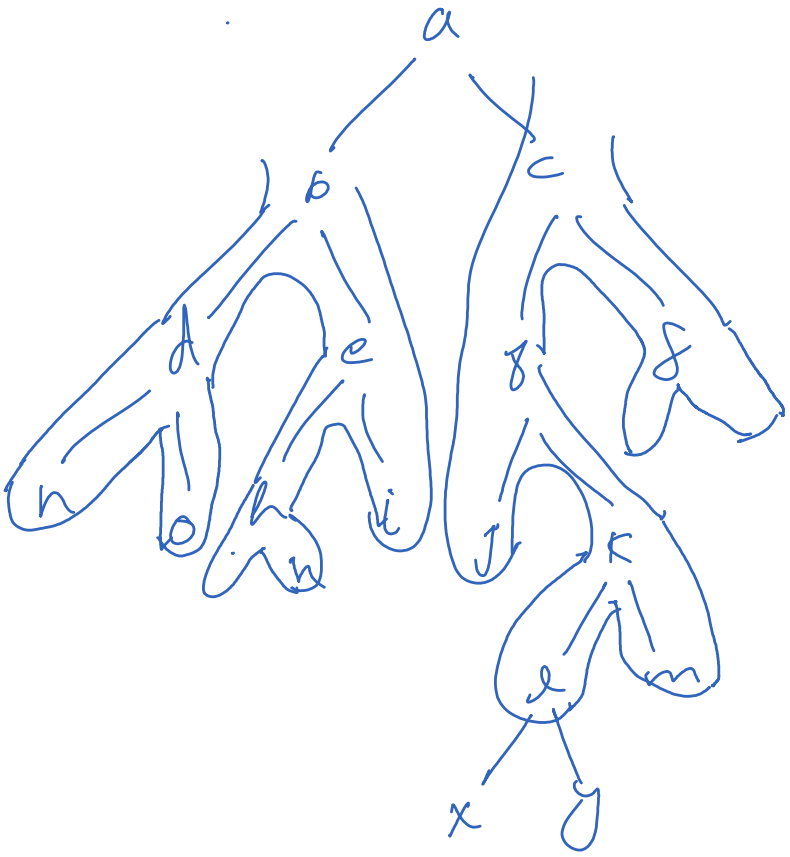
```
public long imgMultiply(Node root)
{
    // code here

    ans = (root.data * root.data) % MOD;
    helper(root.left, root.right);
    return ans;
}

public void helper(Node n1, Node n2){
    if(n1 == null || n2 == null){
        return;
    }

    ans = (ans + n1.data * n2.data) % MOD;

    helper(n1.left, n2.right);
    helper(n1.right, n2.left);
}
```





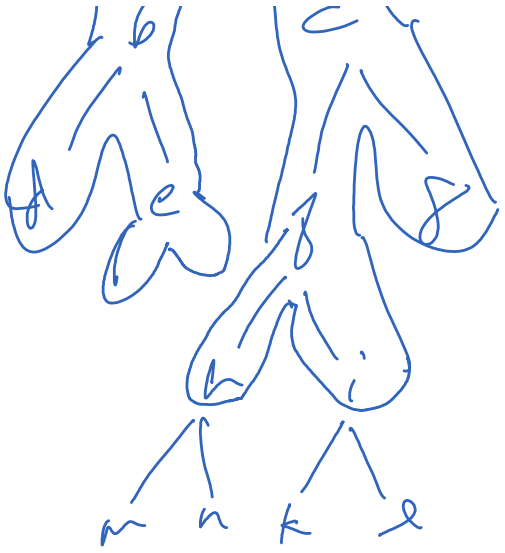
```
    helper(n1.right, n2.left);
}
```






b ⊕ c
d × f
e × f
h ∧ k
i ⊗ j

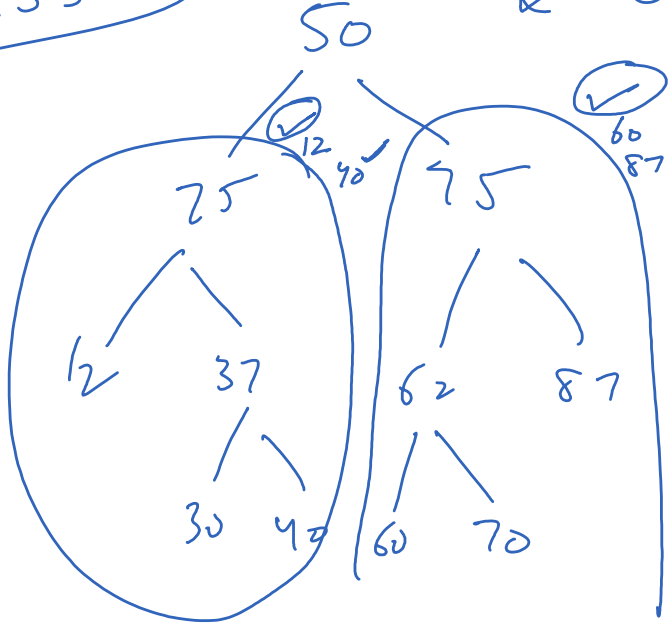

b ⊕ c
d × f



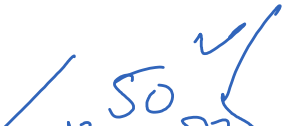

d = g
e = f

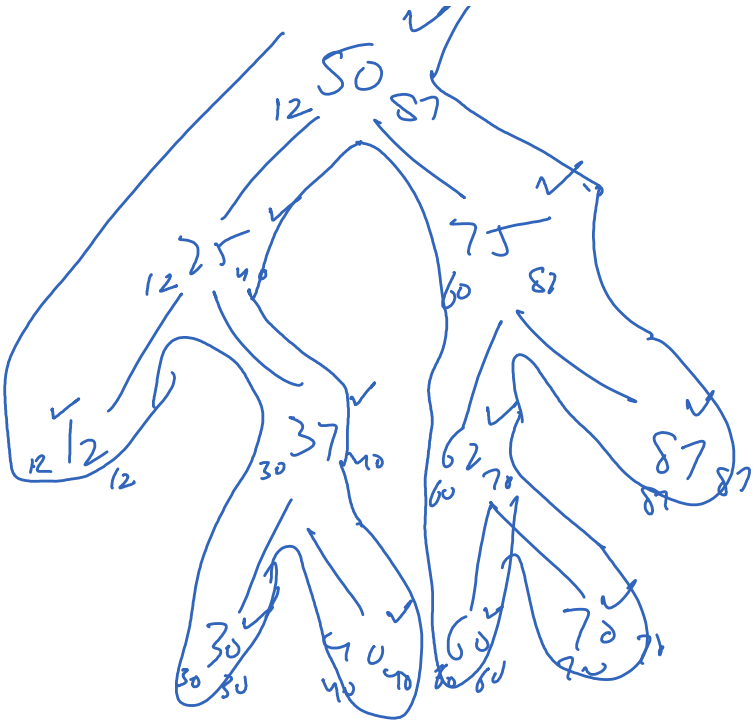
10:49 – 10:55

BT (BST)




BST →
min →
max →



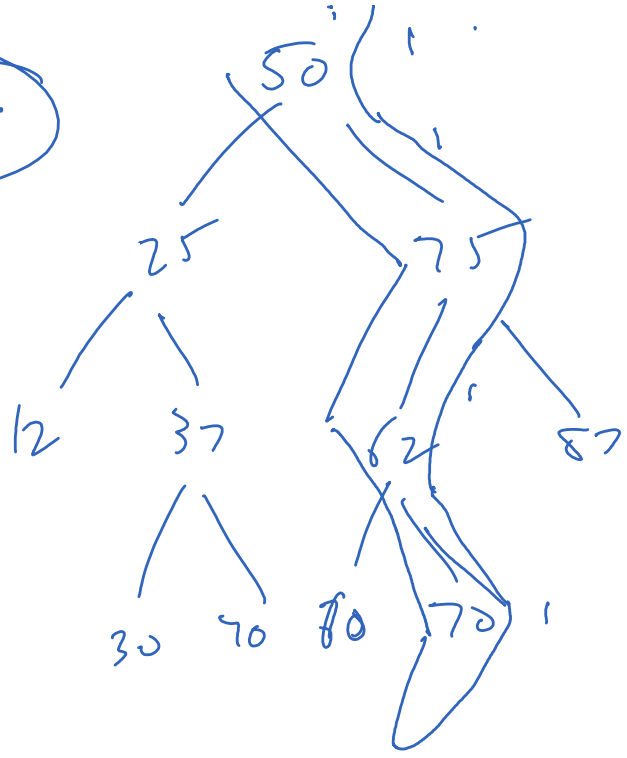


BST

11:16 – 11:26

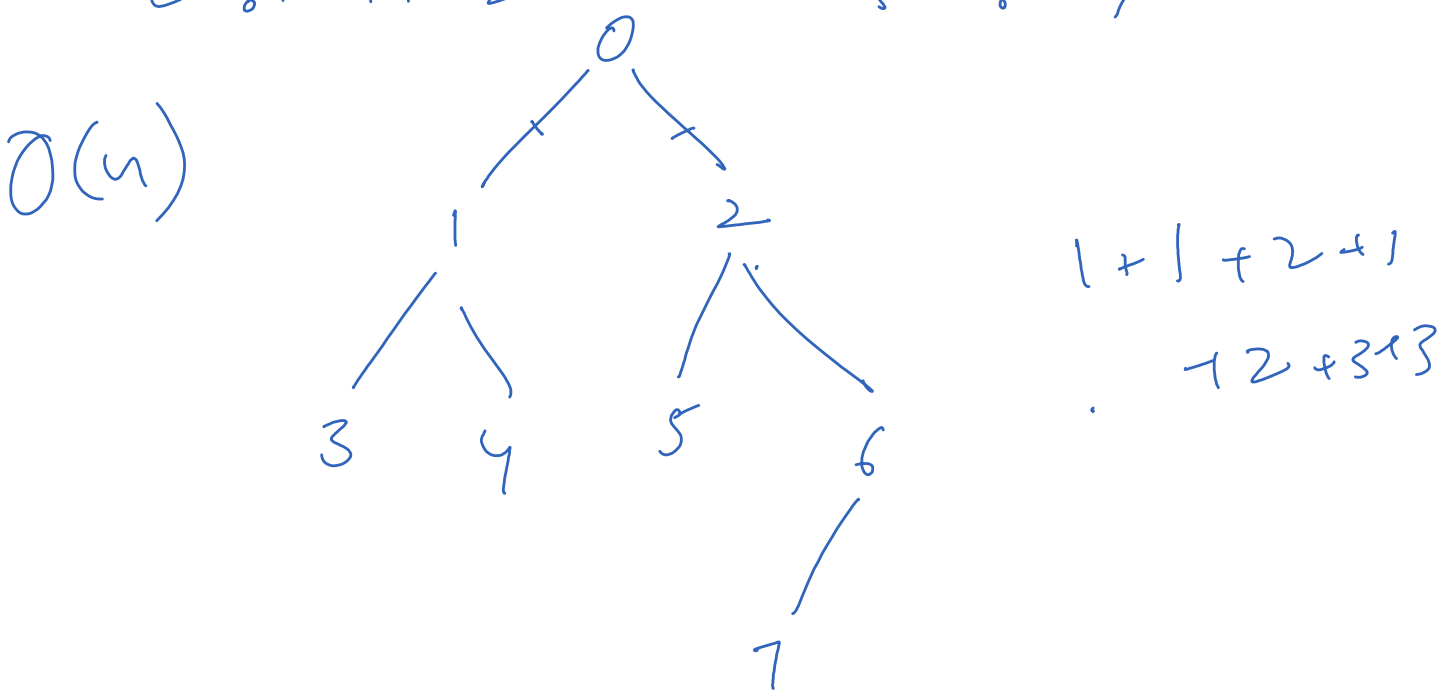
logn

n



69

[13 15, 13, —, —, —, —, —, —]


0 1 2 3 4 5 6 7
O(n)
0
1
2
3
4
5
6
7
1+1+2+1
+2+3+3